

Fig. 1

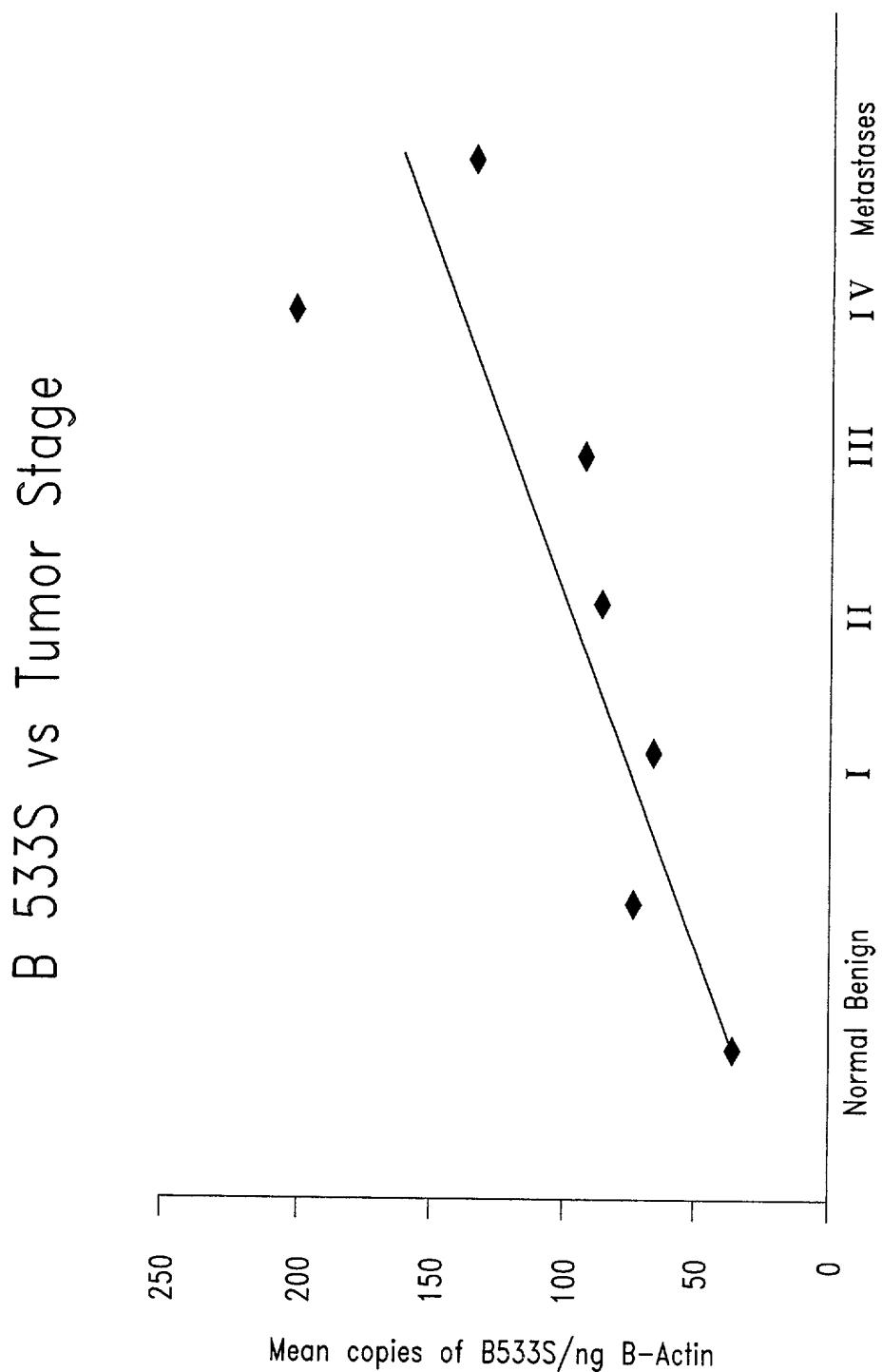


Fig. 2

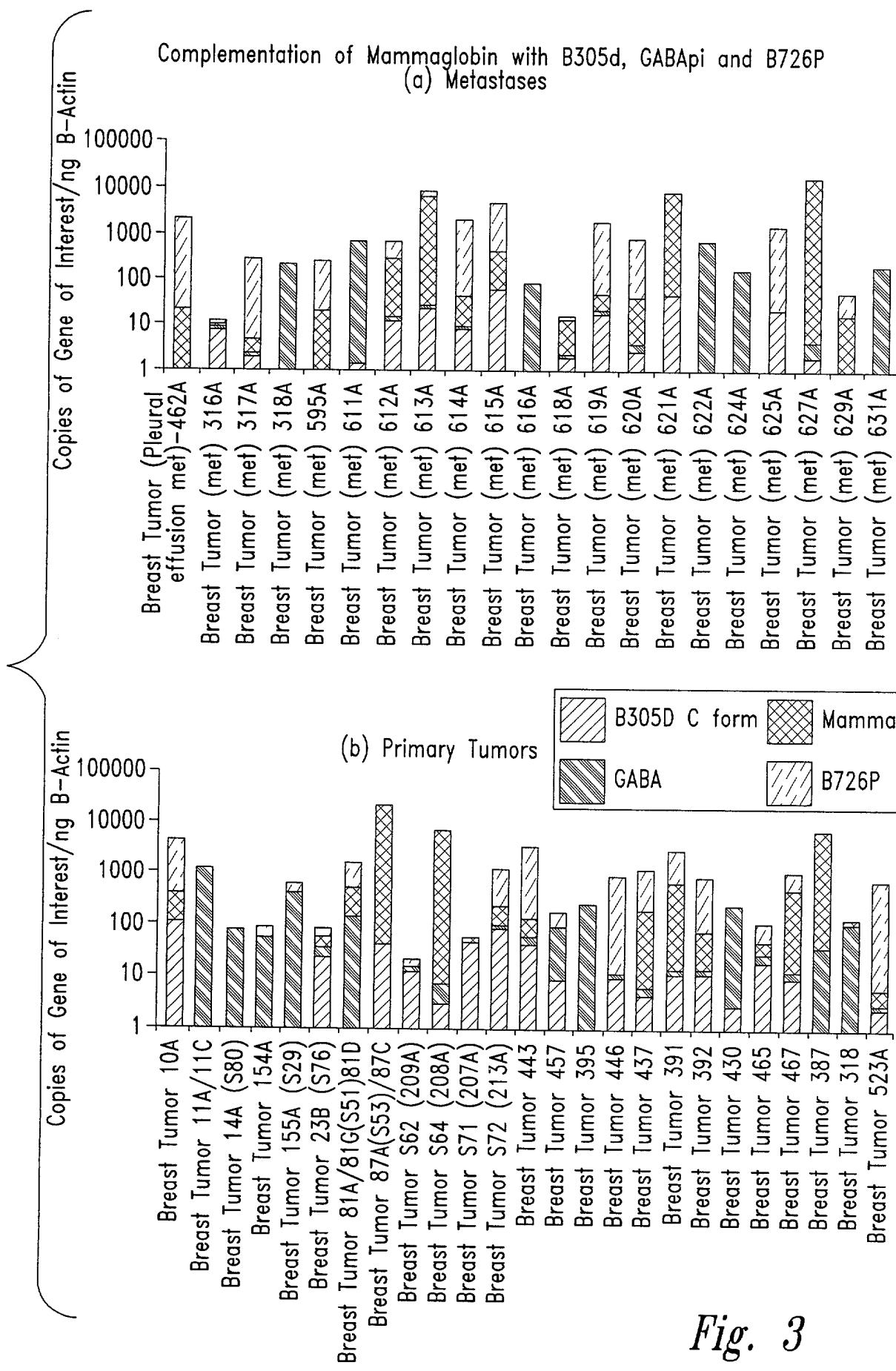


Fig. 3

GACAGCGGCTTCTTGATCCTGCCACCGCGACTGAACACCGACAGCAG 50
CAGCCTCACCATGAAGTTGCTGATGGCTCATGCTGGCGGCCCTCCC 100
AGCACTGCTACGCAGGCTCTGGCTGCCCTTATTGGAGAAATGTGATTCC 150
AAGACAATCAATCCACAAGTGTCTAAGACTGAATAAGAAACTCTTCA 200
AGAGTTCATAGACGACAATGCCACTACAAATGCCATAGATGAATTGAAGG 250
AATGTTTCTTAACCAACGGATGAAACTCTGAGCAATGTTGAGGTGTT 300
CTGCAATTAAATATGACAGCAGTCTTGTGATTTATTTAACTTCTGC 350
AAGACCTTGGCTCACAGAACTGCAGGGTATGGTGAGAAACCAACTACGG 400
ATTGCTGCAAACCAACACCTCTCTTCTTATGCTTTTACTACAAACTA 450
CAAGACAATTGTTGAAACCTGCTACATGTTATTTAATAAAATTGATG 500
GCA 503

Fig. 4

CACTGCTACGCAGGCTCTGGCTGCCCTTATTGGAGAAATGTGATTCCA 50
GACAATCAATCCACAAGTGTCTAAGACTGAATAAGAAACTCTTCAAG 100
AGTTCATAGACGACAATGCCACTACAAATGCCATAGATGAATTGAAGGAA 150
TGTTTCTTAACCAACGGATGAAACTCTGAGCAATGTTGAGGTGTTAT 200
GCAATTAAATATGACAGCAGTCTTGTGATTTATTTGGCGGCCATCACC 250
ATCACCACACTAAGGTCCCGAGCTCGAATTCTGCAGATATCCATCACAC 300
T 301

Fig. 5

GGGACAGGGCTGAGGATGAGGAGAACCTGGGACCCAGAAGACCGTGCCTGCCCGAAGTCTGCCTGAGGCTGAAGGACTGCCAACAGAGCC 100
 TCAACAACACTCCCTGATTCTACTTCAGCCCTTGGTGTGAGCAGCTTCACACATGAACACTACAGCCTCACTGGCCTCGTGTCTGAGTCTCTT
 CACTGAGAGGATGTGCATCCAGGGAGTCAGTCAACGTCGAGGTCGGCAGAAGTGACAAGCTTCCCTGCCTGGCTTGAGAACCTCACAGCAGGATAT
 AACAAATTCTCAGGCCAATTGGTGGAGAACCGTACAGATAGCGCTGACTCTGGACATTGCAAGTATCTCTAGCATTCAGAGAGTAACATGGACT
 ACACAGCCACCATATACCTCGACAGCGCTGGATGGACCAGCGCTGGTGTGAAGGCAACAAAGAGCTCACTCGATGCCGCCCTCGGGAGTTCTT 500
 CTGGGTGCCAGATACTTACATTGGAGTCCAAGAAGTCCTCCATGAAGTCAGTGTGGAAACAGGCTATCCGCCTCTCCAAATGGCACGGTC
 CTGTATGCCCTCAGAACATCAGACAACGTTGCATGTAACATGGATCTGCTAAATACCCCATGGACACACAGACATGCAAGTTGAGCTGGAAAGCTGGG
 GCTATGATGGAAATGATGTGGAGTTACCTGGCTGAGAGGGAAACGACTCTGTGGTGGACTGGAACACCTGGCTTGCTCAGTACACCATAGAGCGTA
 TTTCACCTTAGTCACCAAGATCGCAGCAGGAGACAGGAAATTACACTAGATTGGTCTACAGTTGAGCTTGGAGGAATGTTCTGTATTCATTTGGAA
 ACCTACGTTCCCTCACTTCTGGTGGTCTGGTTTCAAGGATCTCTCGATTGAGTCCCTGCAAGAACCTGCAAGGAGTGAACG 1000
 TGTTATCAATGACCAACACTGATGATCGGGTCCCGACTCTCTCCAAACACCAACTGCTTCATCAAGGCCATCGATGTTGACCTGGGGATCTGCTTCTAG
 CTTTGTTGGGCTTGCTAGAATATGCAAGTTGCTCACTACAGTTCTACAGCAGATGGCAGCAAAGATAGGGGACAACAAAGGAAGTAGAAGAA 1500
 GTCACTATTACTAATATCATCAACAGCTCCATCTCAGCTTAAACGGAAGATCAGCTTGGCAGCATGAAATTCCAGCGACAACGTTGACTACAGTG
 ACTTGACAATGAAACCAGCAGCACAAGTTCAAGTTGCTTCCAGGAAAAGATGGCAGGATTGTTGATTATTCACAATTCAAACACCCAGTAATGTTGA
 TCACTATTCAAACACTGTTCTTGTATTTATGCTAGCAATGTTACTGGCATACTACATGTTAGTCAATGTTAAATTCTTGCA 2000
 TGCCATAGGTCTCAACAGGACAAGATAATGATGTAATGGTATTAGGCAAGTGTGACCCACATCCAATGGTGTACAAGTGTGAAATAATTATT
 TGAGTCTTCTGCTCAAAGAATGAAGCTCAACCATGTTCAAGCTGTGAGAAGTCCTAGCATTAGGATCTGTAATAGAAACATCAGTCATTCC
 TCTTCTTAATCAAGGACATTCCCATGGAGCCAAGATTACAAATGACTCAGGGCTGTTTTCGGTGGCTCCCTGGTTTGATTTACCTCATATA
 AAGAATGGGAAGGAGACCATGGGTAAACCTCAAGTGTCAAGGTTAAAGTAACATACGTTTACTAAATCTCGAGTGCTTATAAAA
 TACATTGTTGCCTATTAGGGAGTAACATTCTAGTTCTGGTAAATGAAATATGGCTTATGTCATTGGAGTCAATGCTAACTCATTGGAGTCAATGCACTAAC 2500
 TCAATACCAAGATGAGTTTAAATAATGAATATTATTAATACACACAGAAATTATCCCAATTCCAATAAGTCTATCATGAAATTCAAATATA
 AGTGAAGAAAAATTAGTAGATCAACAATCTAAACAAATCCCTGGTCTAAGATACAATGGATTCCCATCTGGAGGACTCTGAGGCTTATTCC
 CACTATGCATATCTTATCATTATTATACACACATCCATCTAAACATACTAAAGCCCTTCCCATGCTGGATGGAAATGGAGATTGTTG
 TAACTGTTCTAGAAGTCTTAATATGGCTGTTGCCTGAAGGCTTGCAGAATTGAGTCCATTCTAGCTGCCTTATTACATAGTGTGAGGTTACTA
 AAAGTACTGGGTGACTCAGAGAGTCGCTGTCAATTGTCATTGCTACTCTAACACTGAGAACACTCTCCAGTGGCAGATCCCTGTATCATTCC
 AAGAGGAGCATTCCCTTGCTCTAATGATCAGGAATGATGCTTATTAGAAAACAAACTGCTTGACCCAGGAACAAGTGGCTAGCTTAAGTAAACTT 3000
 GGCTTGTCTCAGATCCCTGATCTTCCAGCTGGTCTGCTGAGTGGCTTATCCCGATGAGCAGGAGCGTGTGGCCCTGAGTACTGAACCTCTGAGT
 AACAAATGAGACACGTTACAGAACCTATGTCAGGTTGCGGGTGAAGCTGCCCTCCAAATCCAGCCAGAGATGCACATTCCCTGGCCAGTCTCAGCCAAC
 AGTACCAAAAGTGAATTGAGTGTGCCAGGGTAAGGCTTCCAGTTGAGCTCAGTTATTAGACAATCTGCCATCTTAATTCTAGCTTCTGT
 TCTAATAATGCACGGTTACCTTCTGTCAGAAAATACCAAGGCTAAAGAGTGAATTCCCTCTGTAACCTCCAGAGGCCACAGGTTCTCATT
 CTTTCCATTATACTCTCACAATTGAGTTGATCACCTGATTAAACAAATATTCTAACGGGAATGGGTGGAGTGTGGTGA
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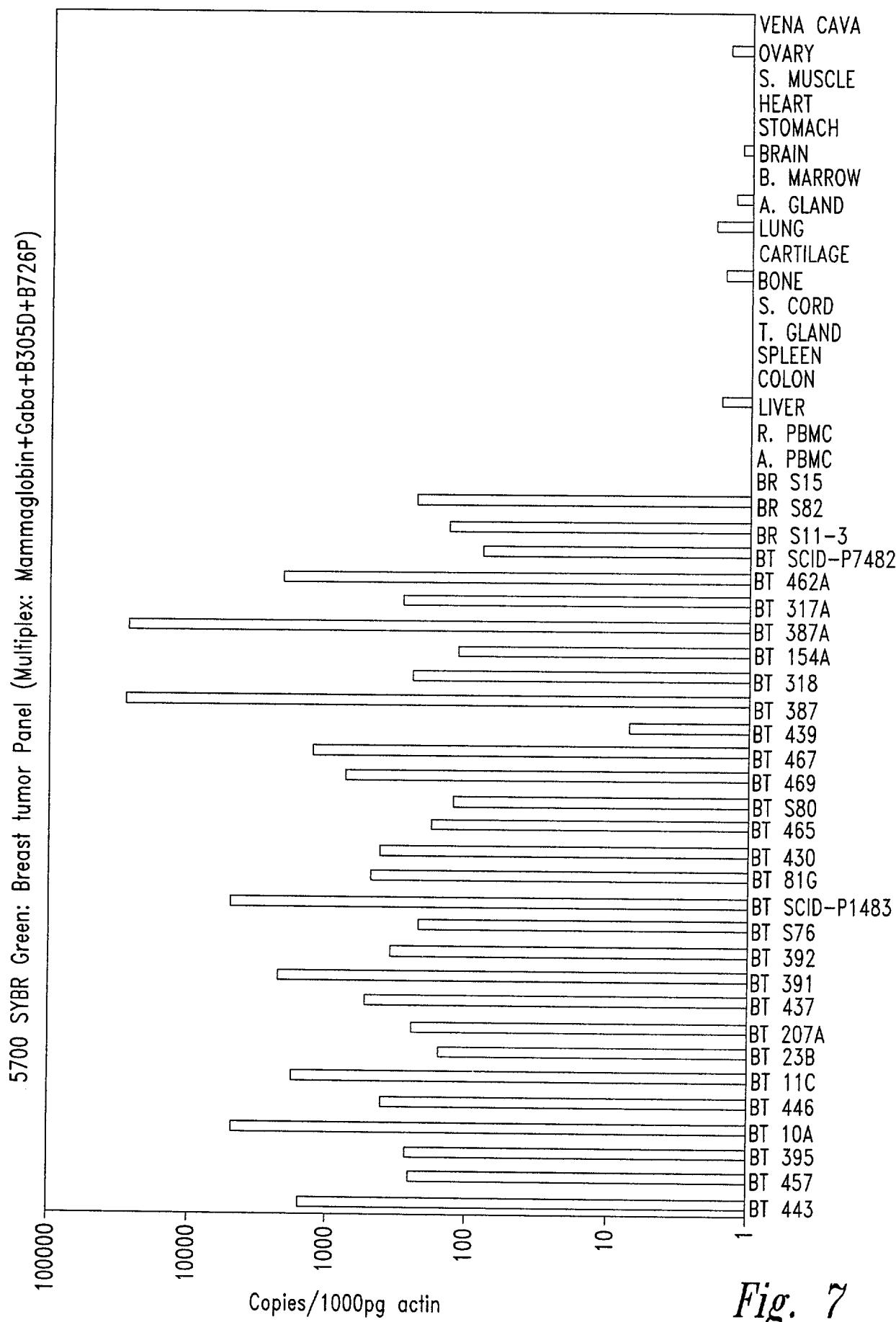


Fig. 7

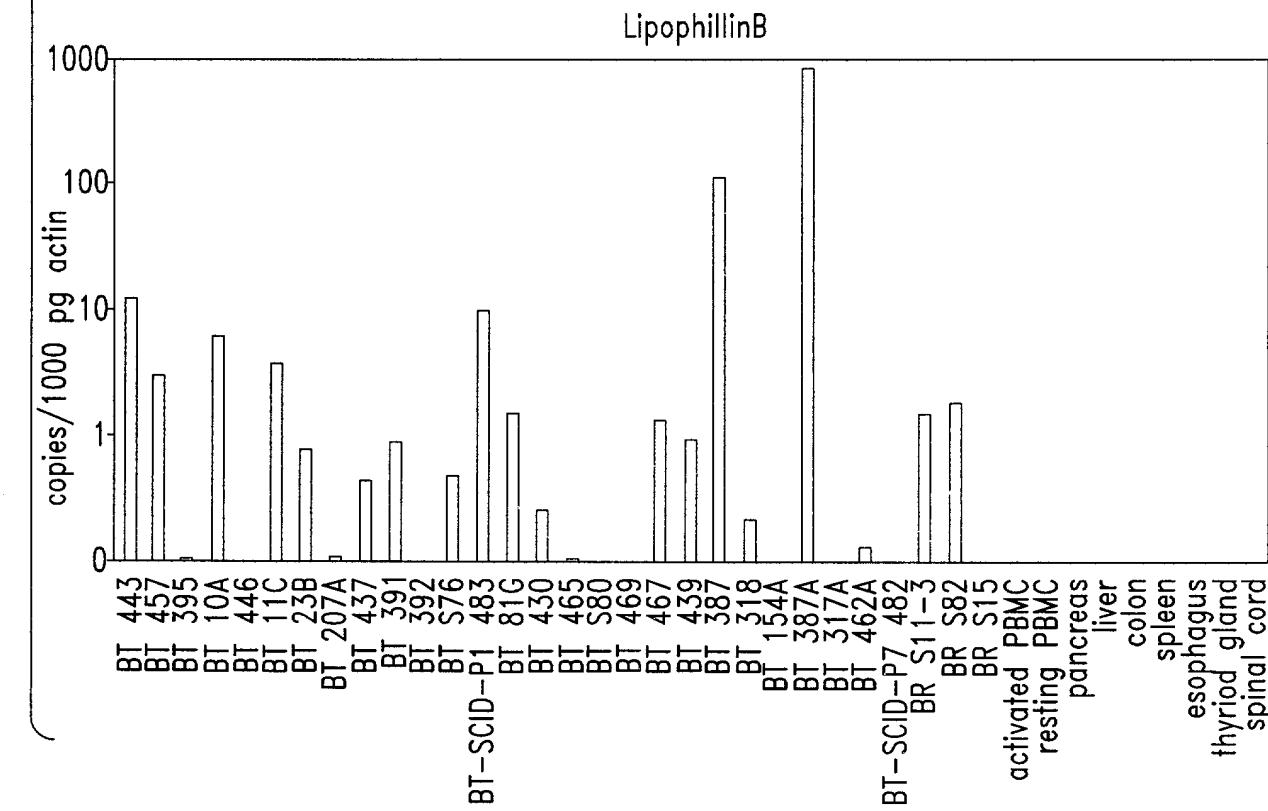
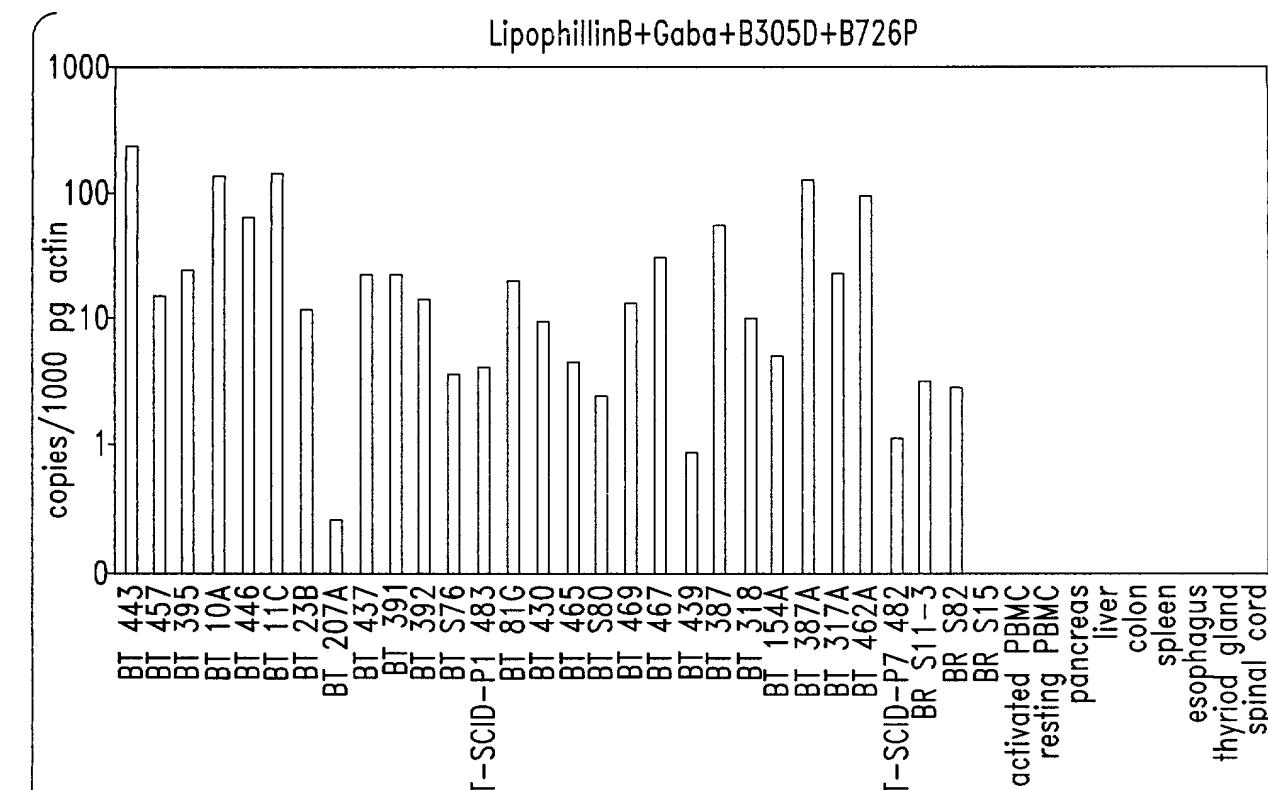


Fig. 8

Multiplex PCR assay: Gene determination by amplicon size

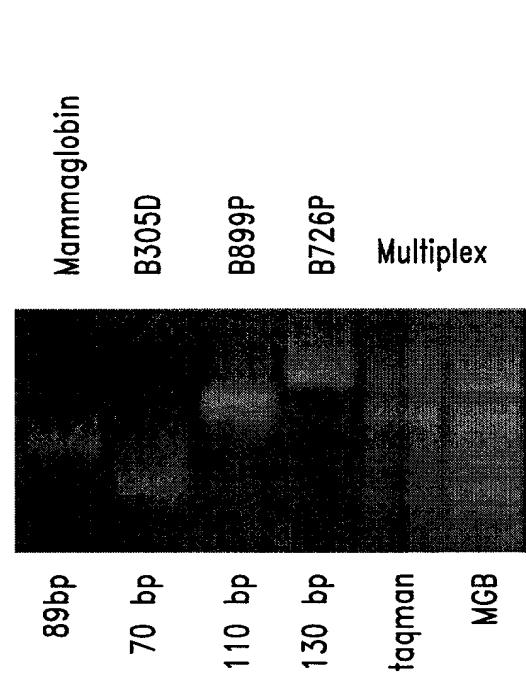


Fig. 9

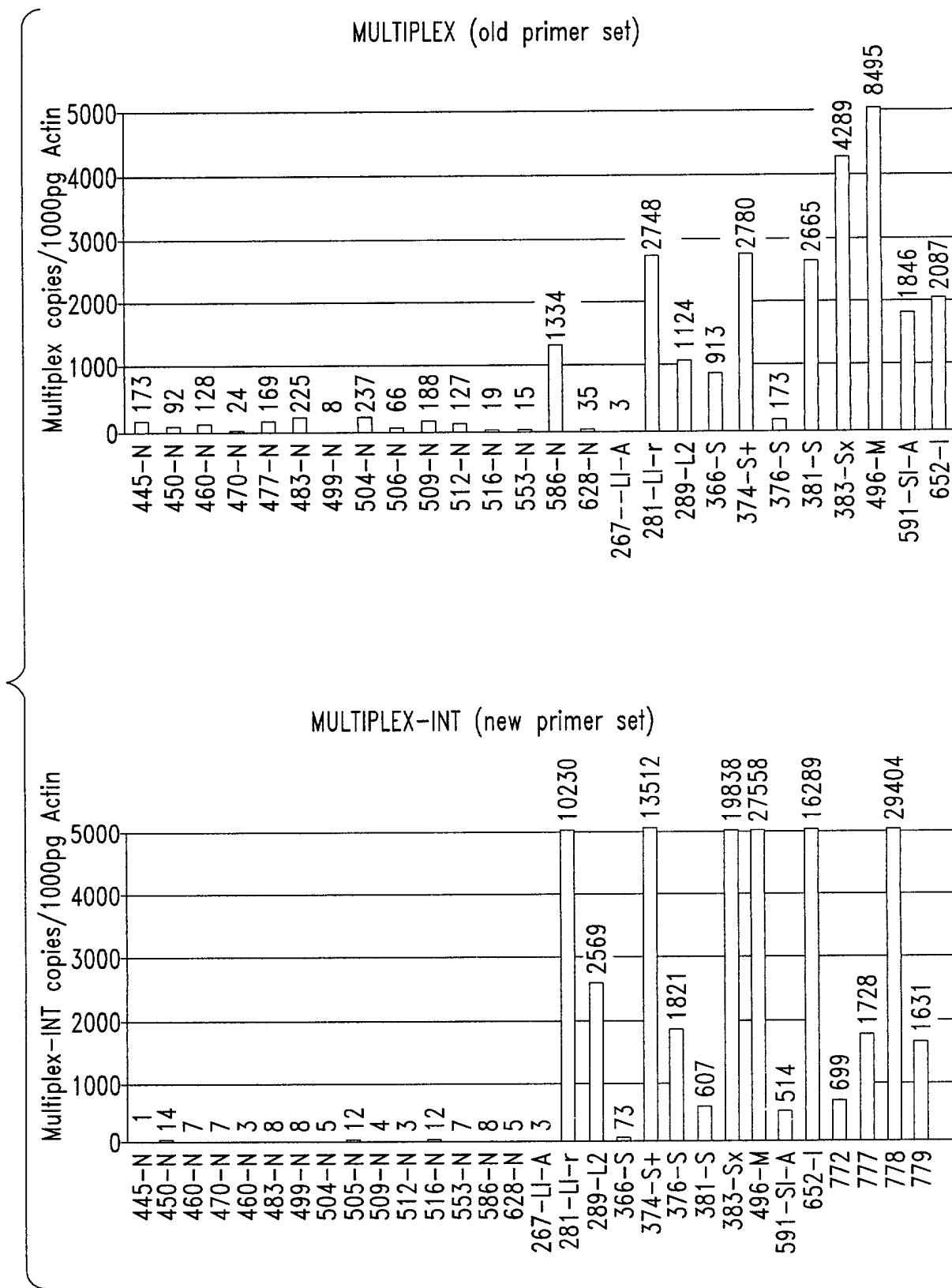


Fig. 10